

APPENDIX F-41

FRACTIONATION SUMMARY LISTING

1. PURPOSE

a. To provide DSO with data which will provide a basis for employing selective management techniques to particular portions of the items managed; evaluating composition of inventories and rates of turnover; and systems review and analysis.

b. The Fractionation portion of this report will include SSC 1, 4, 5, 6, 7, 8, and A items with a Future SSC N (no change) 1, 4, 5, 6, 7, 8, or A as well as SSC 2, 3, and 9 items with an FSSC 1, 4, 5, 6, 7, 8, or A. The Frequency portion of this report will include all DSC-managed items recognizing Future SSCs other than N (no change).

2. ORIGIN

Output of the Fractionation process as depicted in appendix D-129 and chapter 29.

3. FREQUENCY

The output of this listing will be on a quarterly basis. The Item Frequency portion will be output semiannually 31 March and 30 September.

4. FORMAT

a. Heading Line (Standard Identification)

With the applicable table indicator underneath the title.

b. Data Organization:

(1) Sequence:

(a) Major: FSC numeric sequence.

(b) Minor: Tables 1 through 4 sequence within the FSC.

(2) Number of lines per page - Two printed header lines and 36 printed data lines.

(3) Spacing: As indicated on F-41-4.

(4) Page break by table number.

(5) Required Totals: Each FSC within the DSCs package will be summarized in Tables 1 through 4. A grand total of all the FSCs for the DSC will be printed on the last 24 pages of the listing. A separate summary of replenishment demand items and a separate summary of NSO Items will be furnished. The last set of Tables 1 through 4 will be a DSC summary of Replenishment plus NSO Items.

(6) The last page of the F-41 listing will be an Item Frequency Count.

c. Captions of Data Elements:

(1) Demand Dollar Ranges indicated in appendix A-53 are those items with no demand for 24 months, no demand for 12 months and the demand dollar ranges from \$.01 through over \$1,000,000.00.

(2) The 15 Fractionation Symbol Codes represent the 15 Demand Dollar Ranges. These codes are used for interrogation purposes, as indicated in appendix A-53.

(3) ACQUISITION COST RANGE - The nine Unit Price Ranges from \$-01 to \$1000.01 and up.

(4) TOTALS BY RANGE - The total horizontal figure of the nine \$.01-1 through \$1000.01 and up columnar figures.

(5) BY RANGE % - Is the percentage each entry is to the total entry in the previous totals by range.

(6) TOTALS CUMULATIVE - Is obtained by cumulating the totals by range column.

(7) CUMULATIVE % - Is the cumulative percentage obtained by cumulating the range percent column.

(8) TOTAL FSC - The total for that Federal Supply Class is obtained by adding up the nine vertical \$.01-1 through \$1000.01-UP columns. This entry is left blank whenever the applicable Fractionation Table Number is summarized.

(9) GRAND TOTAL - The total of the Replenishment, NSO and VIP Tables.

(10) TOTAL PERCENT - Represents the percentage of that columns total figure compared to the column A total.

(11) The demand and asset figures for the Replenishment, NSO and VIP portion of this listing are divided into dollar figures (indicated by the dollar sign in the columns \$.01-1 through \$1000.01-UP) and without dollar signs indicating either Family Number or Total NSN counts. The dollar value of annual demand is obtained:

(a) Multiply the standard price by the past four quarters of actual demand (less T coded returns).

(b) For items in the system less than 1 year, multiply the acquisition cost the NSO quantity; four times the QFD System quantity or four times the QFD - New quantity.

(c) Items in the system more than two years and having no demands during the past two years are indicated in the Fraction Symbol Code 1 line. Items in the system more than two years and having no demands during the past one year are indicated in the Fraction Symbol Code 2 line.

(d) Items in the system more than one year, but less than two years and having no demands during the past year are indicated in the Fractionation Symbol Code 2 line.

(e) Items in the system less than one year having no demands and having no NSO, QFD-System or QFD-New quantity are indicated in the Fractionation Symbol Code 2 line.

(12) The dollar value of assets is obtained by multiplying the standard price into the sum of the following Asset Groups (appendix A-59):

(a) Asset Group 3 - Serviceable Due-In and Stock On-Hand.

(b) Asset Group 7 - Unserviceable Due-In and Stock On-Hand scheduled for repair.

(c) Asset Group 10 - Unserviceable Due-In and Stock On-Hand unscheduled for repair.

(d) Asset Group 28 - Due-in on contract (depot), including Asset Group 11 Logistics Reassignment Type Due-In Code TD_.

(e) Asset Groups 31a and 31b - Due-In on PR (depot), including Asset Group 11 Logistics Reassignment Type Due-In Code TP_.

(f) Asset Group 37 - Stock On-Hand (FMS).

(g) Asset Group 34 - Stock On-Hand in Condition Code H, J, K or L.

(h) The PMRMR requirement quantity is subtracted from the total asset quantity.

(i) The total assets do not include transfers and returns Due-In, Asset Groups 22 and 31C.

(13) Item Frequency Count - The number of NSNs within each demand frequency count and within specific actual annual dollar value of yearly demand. Only actual demands is to be used. Future SSCs other than N are to be recognized.

(a) FREQUENCY RANGE - The frequency ranges: 0, zero demand frequency; the 1, 2, 3, 4, 5, 6, 7-12, 13-19, and 20 up demand frequencies. The Total 1- 3, Total 4-19, and Total DSC demand frequency summaries and totals. Any item with a Future SSC of 2, 3, or 9 will be counted in the SSC 3/9 or 2 positions.

(b) NUMBER NSNs - FREQUENCY COUNT - The number of NSNs for the four separate categories and a total summary.

1. REPLEN FREQ - The Item Category Code 1 or P, appendix A-87 replenishment demand managed items.

2. NSO FREQ - The Item Category Code 2 or B Numeric Objective items.

3. SSC 3/9 FREQ - The Supply Status Code 3 and 9 items with a Future SSC of N, no change. If the Future SSC is a 3 or 9, the items will be counted in this column.

4. OTHER FREQ - The Supply Status Code 2 items with a Future SSC of N, no change. If the Future SSC is a 2, the items will be counted in this column.

5. TOTAL FREQ % - The summary count of the total demand frequencies and the percentage of the items in that FREQUENCY RANGE LINE compared to the total items.

(c) NUMBER NSNs - ANNUAL DOLLAR VALUE OF DEMAND - The number of NSNs for the five annual dollar value of actual demand columns and one summary column for the Total 1-3, Total 4-19, 20-UP, and Total DSC demand frequencies, a Standard Unit Price, the annual dollar value will not be computed. Should the SSC 2 item have a unit price, the actual dollar value will be computed. No Forecasted NSO quantity, QFD/New, QFD/System quantity will be used, but rather actual demand which appears on the appendix F-191 Demand>Returns listing (excludes T coded Customer Excess Return receipts).

1. \$0 - The number of NSNs with zero dollar value of annual demand. This count will equal the 0 Frequency Range, TOTAL FREQ column. Do not include SSC 2 items having demands but no Standard Price in this column.

2. \$.01 - 5000 - The number of NSNs falling in the one cent to \$5000.00 dollar actual annual demand grid. Place SSC 2 items not having a Standard Price in this column.

3. \$5001 - 50,000 - The number of NSNs falling in the \$5000.01 to the \$50,000.00 dollar actual annual demand grid.

4. \$50,001 - 500,000 - The number of NSNs falling in the \$50,000.01 to the \$500,000.00 dollar actual annual demand grid.

5. \$500,001 - UP - The number of NSNs falling in the \$500,000.01 and up actual annual demand grid.

6. TOTAL - The total summary column of NSNs, Dollar Value of Annual demands and the constant 100% entries representing the percentage of NSNs and Dollar Value of Annual Demand.

7. PERCENT OF TOTAL NSNs - The specific 0, .01-5000, and so on percentages of NSN compared to the total NSNs.

8. DOLLAR VALUE OF ANNUAL DEMAND AND PERCENTAGES - The sum of the actual demand. All individual NSN dollar values will be applied to the applicable column and cents will be considered. All summaries and totals will drop the \$.01 - .99, one to ninety nine cents, and only the total whole dollars will be printed. Percentages will be based on the part compared to the whole dollar value. The zero demand column will have no entry in these two summary lines.

5. DISTRIBUTION AND RETENTION

a. The one part FSC portion and the five part Total DSC portion of the listing to DSO. The one part FSC portion will be destroyed upon receipt of the subsequent quarterly report. One copy of the 18 page Total DSC portion will be retained for 12 months and then destroyed.

b. Three copies of the Total DSC five part listings will be forwarded to DLAH-OS by the last day of the month following the Quarter (i.e., April, July, October, and January).

c. Three copies of the Item Frequency Count portion of the F-41 will be forwarded to DLAH-OS semiannually as of the last day following 31 March and 30 September.

6. PROCEDURE FOR REVIEW AND PROCESSING

DSO will:

a. Review and analyze the data contained, and together with other pertinent data, evaluate and determine the techniques applicable to managing inventories and determining requirements.

b. In the event a more detailed analysis is required in a certain area, each entry in the FSC portion of the listing (appendix A-53) or SMG Code (appendix A-69) may be interrogated by input of a Fractional/Supply Management Grouping Code, DIC ZRE, appendix B-87. The interrogation will generate a listing of every Family Number that made up the entry or entries being interrogated, refer to appendix F-263. It is pointed out that the interrogations must be initiated with discretion. Interrogating large numbers of items could consume hours of computer and printer time more urgently needed for other processing procedures. Due to the potential of consuming much computer and printer time, each Fractionation or Supply Management Grouping Code inquiry will require approval by the DSC's DSO prior to computer input.

c. Whenever a comparison is made between the item counts reflected on this report and the appendix F-161, Replenishment Demand Stratification, and the appendix F-162, NSN Stratification certain incongruities must be noted.

(1) The number of NSN indicated on line 6, column M of the appendix F-161 for Replenishment Demand Items will be the same as the count of Family NSNs reflected in the Fractionation and Frequency portions of the appendix F-41 for Replenishment Demand Items.

(2) When comparing the count of NSNs reflected in the appendix F-161 Stratification Summary for VIP items to the number of Family NSNs reflected in the Fractionation portion of the appendix F-41 for VIP items, it should be noted that if any NSO items are coded VIP these items will not be reflected in the count contained in the appendix F-161 but will be reflected in the count contained in the appendix F-41.

(3) When comparing the count of NSO items reflected in the appendix F-162 to the count of NSO items reflected in the Fractionation and Frequency portions of the appendix F-41 it should be noted that NSO

items with a zero NSO quantity and zero assets are not counted in the F-162 process but are counted in the F-41 process. In order to determine the number of NSO items with zero NSO quantity and zero assets the count reflected in the appendix F-162 should be subtracted from the count reflected in the appendix F-41 under Family Count in the Fractionation portion or the NSO count in the Frequency portion.

(4) In the Fraction portion of the appendix F-41 two counts are taken. One is for the head of the family only and the other is for all NSN entering into the process. The second count reflects the head of the family as well as the family member.

REPORT NR F-41		FRACTIONATION REPORT										PAGE NR 00223	
ORC 99	REPLENISHMENT DEMAND ITEMS	TABLE 4										DATE 30 SEP 69	
		-----ACQW COST RANGE-----										TOTALS-----	
DEMAND RANGE (\$)	FR CD	.01	1.01	5.01	10.01	25.01	50.01	100.01	500.01	1000.01	--BY RANGE--	--CUMULATIVE--	
		1.00	5.00	10.00	25.00	50.00	100.00	500.00	1000.00	AND UP			
0-24 MO.	1												
0-12 MO.	2												
.01-17.00	3												
17.01-152.00	4	300									300	300	
152.01-400	5												
400.01-1369	6												
1369.01-4500	7						2750				2750 3	3051 3	
4500.01-10M	8												
10M-15M	9	36962									36962 38	40013 41	
15M-25M	10												
25M-50M	11								58415		58415 59	98429 100	
50M-100M	12												
100M-500M	13												
500M-1,000M	14												
OVER 1,000M	15												
TOTAL FSC 4730 *		37262						2750			98429	98429	
TOTAL PERCENT		38				59		3			100	100	

* For DPSC-T, this line entry will read TOTAL MIG XX, where XX represents a two-digit numeric.

REPLENISHMENT DEMAND ITEMS	TABLE 1	DEMAND FRACTIONATION FAMILY NUMBER COUNT.
OR	1A	DEMAND FRACTIONATION NSN COUNT
NUMERIC STOCKAGE OBJECTIVE ITEMS	2	DEMAND FRACTIONATION DOLLAR VALUE
OR	3	TOTAL ASSET FRACTIONATION FAMILY NUMBER COUNT
VERY IMPORANT PROGRAM	3A	TOTAL ASSET FRACTIONATION NSN COUNT
	4	TOTAL ASSET FRACTIONATION DOLLAR VALUE

NOTE - THERE IS A POSSIBILITY OF 18 TABLES
FOR EACH FSC (MIG AT DPSC-T) AND FOR
A DSC GRAND TOTAL SUMMARY

REPORT NR F-41			FRACTIONATION REPORT				DSC S9C		PAGE NR 00333				
ORC 99		VERY IMPORTANT PROGRAM ITEMS				TABLE 4		TOTAL ASSET FRACTIONATION DOLLAR VALUE				DATE 30 SEP 69	
		ACON COST RANGE						TOTALS					
DEMAND		FR	.01	1.01	5.01	10.01	25.01	50.01	100.01	500.01	1000.01	--BY RANGE--	
RANGE (\$)		CD	1.00	5.00	10.00	25.00	50.00	100.00	500.00	1000.00	AND UP	--CUMULATIVE--	
0-24 MO.		1										206	206
0-12 MO.		2											
.01-17.00		3											
17.01-152.00		4	128									128	334
152.01-400		5											
400.01-1369		6											
1369.01-4500		7											
4500.01-10M		8											
10M-15M		9					6794					6794	7128
15M-25M		10						15351	15351			15351	1 22479
25M-50M		11			38979							38979	2 61458
50M-100M		12	32257						318245			350502	14 411960 16
100M-500M		13	697513	270560					385444	578972		2078174	83 2490134 100
500M-1,000M		14					145685						
OVER 1,000M		15											
GRAND TOTAL			729898	270560	39185		152479		719040	578972		2490134	2490134
TOTAL PERCENT			29	11	2		6		29	23		100	100

DSC SDC

FRACTIONATION REPORT

REPORT NR F-41

ORC 99 ITEM FREQUENCY COUNT

FREQUENCY RANGE		NUMBER OF NSNS FREQUENCY COUNT				NUMBER OF NSNS ANNUAL DOLLAR VALUE OF DEMAND COUNT				TOTAL	
		REPLEN FREQ	NSO FREQ	SSC 3/9 FREQ	OTHER FREQ	TOTAL FREQ	\$ 0	\$.01 5000.00	\$50000.01 50000.00	\$500000.01 500000.00	UP
0		3521	91408	88468	27874	211271	53	211271			
1		813	29488	9092	7225	46618	12	46501	115	2	
2		643	19394	3427	3448	26192	7	26768	134	9	1
3		4511	9845	1395	1631	17382	4	17247	135		
SUB 1-3		5967	58727	13014	12304	90012	23	90516	384	11	1
4		4870	6443	634	784	12731	3	12585	141	5	
5		4535	4229	347	475	9586	2	9444	140	2	
6		4464	2766	211	289	7730	2	7596	133	1	
7-12		21472	3852	304	480	26108	7	25328	760	20	
13-19		12878	44	54	113	13009	3	12396	679	14	
SUB 4-19		48219	17334	1550	2141	69244	17	67349	1853	42	
20-UP		27333	28	21	102	27484	7	21685	5292	484	23
TOTAL DSC		85048	167497	103953	42421	398911	100	211271	179550	7529	537
							53	45	2		
							PERCENT OF TOTAL NSNS				398911
							DOLLAR VALUE OF ANNUAL DEMANDS				100
							70722520	98942095	58207542	35138300	2630457
							PERCENTAGE DOLLAR VALUE OF ANNUAL DEMANDS				100
							27	38	22	13	